

ARCHITECTS HANDBOOK ON

KNAPP



METAL TRIM

KNAPP BROS. MANUFACTURING CO.

KNAPP

KNAPP BROS. MANUFACTURING COMPANY

JOLIET • ILLINOIS

EXPERIENCE

Originated by a practicing architect, the Knapp Line of Sanitary Metal Trim and Plastering Accessories has, with the co-operation of the architectural profession, attained distinct leadership. Knapp experience covers a period of about thirty-five years.

FACILITIES

A modern plant of extensive proportions planned for maximum efficiency is devoted exclusively to the manufacture of pressed metal building specialties. Complete equipment allows fabrication of the unusual item in a variety of materials and finishes.

REPRESENTATIVE PRODUCTS

METAL BASE
WINDOW TRIM AND STOOLS
WYR-WAY BASE
PLASTERED-IN CASINGS
APPLIED CASINGS
FLOOR COVES
PLASTERED-IN PICTURE MOULDING
APPLIED PICTURE MOULDING
HEAVY DUTY PICTURE MOULDING
CHAIR RAILS
DADO MOULDS
MAP AND DISPLAY RAIL
STOP MOULDINGS
MULLION AND TRANSOM BAR COVERS

BLACKBOARD TRIM
CHALK TROUGH
CHALK TROUGH INSERTS
ACCESS PANELS
BASE SCREEDS
BASE GROUNDS
SMALL NOSE CORNER BEADS
INNER ANGLE BEADS AND COVES
BULL NOSE CORNER BEADS
REINFORCED BULL NOSE CORNER
BEADS
CORNER GUARDS
LINOLEUM GROUNDS
WIRE CARRYING RACEWAYS

SERVICE

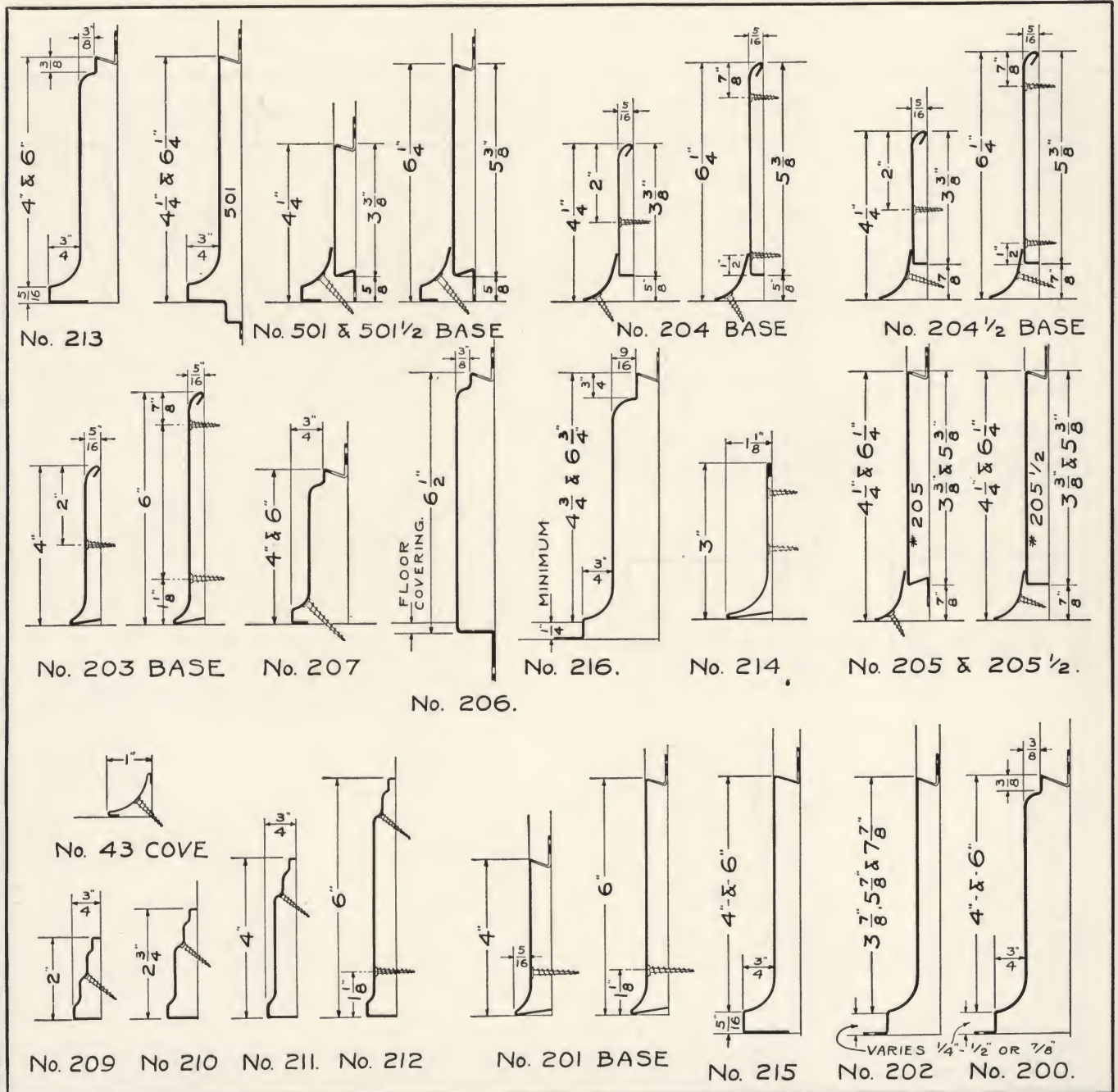
Special attention is given to the requests of architects, engineers, or builders in any problem arising from the adaptation of standardized designs to practical conditions. Advice or consultation is offered in developing a product for the unusual condition.

STANDARD TYPES—There are several types of Knapp Metal Base. The details shown illustrate the general principles of both the plastered-in self-grounding and the applied-after-plaster types. Single or two member sections meet a variety of needs.

FITTINGS—Corner fittings and end stops are available for all base sections requiring their use. These fittings, of finest quality cast iron, are designed to be used in connection with square or cove internal as well as square or radius external corners.

GAUGE AND SIZE—All sections of either four inch or six inch nominal height are available fabricated from 20 or 18 ga. extra tight coat galvanized steel sheets. Coves of two member sections are furnished in 18 ga.

SPECIAL NOTE—In the cases of Nos. 200 and 202 and 216 bases only, it is necessary to specify the floor flange depth as $\frac{1}{4}$ in., $\frac{1}{2}$ in., or $\frac{3}{8}$ in., as may be needed to suit various floor finishes. Grouting of all plastered-in types assures maximum fire-safeness and serviceability.



FULL SIZE DETAILS FURNISHED ON REQUEST

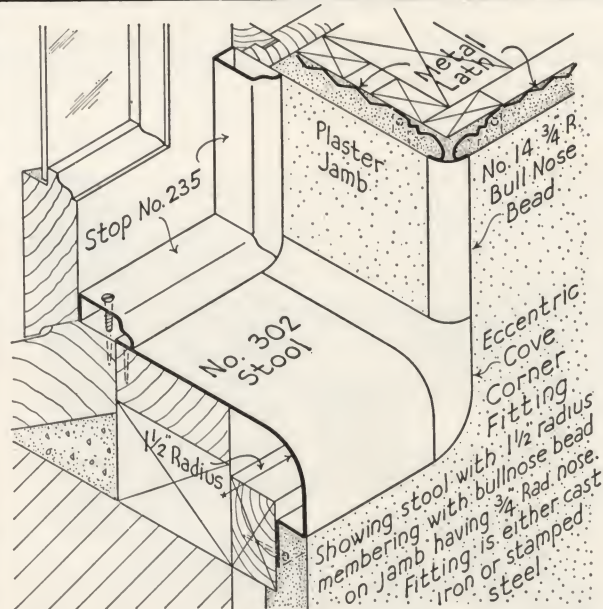
COMBINATIONS—Complete frames may consist of various sections or combinations. Typical assemblies consist of radius jambs and heads, together with flat or splayed stools. Corner construction may consist of fittings or welded miters.



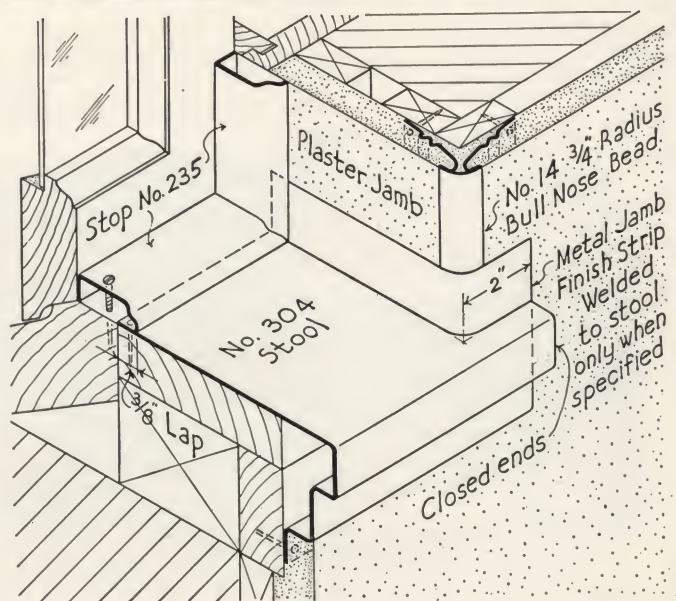
DETAILS OF WINDOW TRIM AND STOOLS

No. 302 trim may be used for the stool alone, in which case Knapp Sanitary end fittings are attached in the factory. These fittings member with Knapp bull nose corner beads, thus permitting the use of plaster jamb and head reveals. It is available in either $\frac{3}{4}$ in. or $1\frac{1}{2}$ in. radius nose.

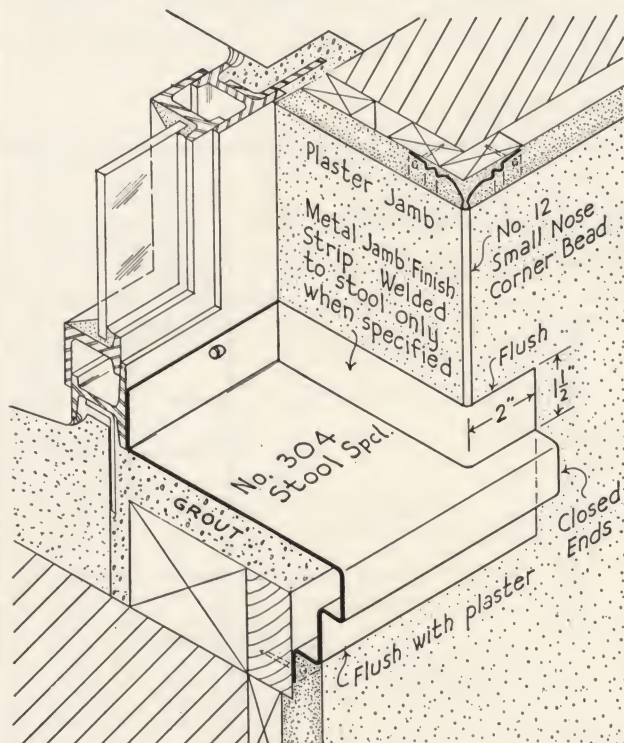
The jamb finish strip shown in the detail is furnished **only when specified**. When specified it will be made to match the Knapp small nose or bull nose bead specified. The **Jamb finish strip** provides a straight true line for the plaster jambs and effectively protects the joint between the metal stool and plaster jambs from damage and disintegration.



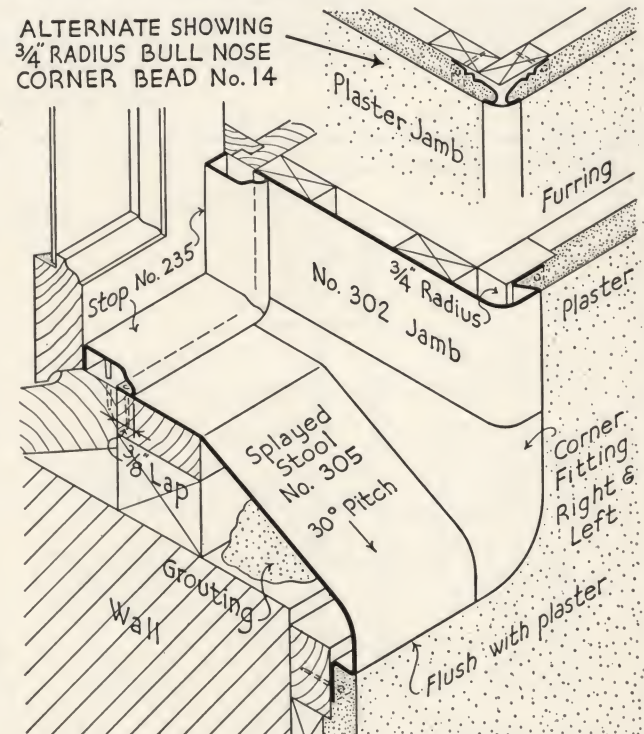
DETAIL SHOWING SANITARY STOOL No. 302 WITH COVE CORNER AND PLASTER JAMB



DETAIL SHOWING METAL JAMB FINISH STRIP WITH No. 304 STOOL AND No. 14 CORNER BEAD



DETAIL SHOWING METAL JAMB FINISH STRIP WITH No. 304 STOOL AND No. 12 CORNER BEAD



DETAIL SHOWING TRIM No. 302 WITH SPLAYED STOOL No. 305

FULL SIZE DETAILS FURNISHED ON REQUEST

$\frac{9}{6}$ WYR-WAY BASE BRANCH CIRCUIT SYSTEM

GENERAL DESCRIPTION and EXPLANATION

Wyr-Way Base consists of two wire-carrying raceways with an easily removable cover plate concealing them. The upper raceway is designed to carry low tension wires, such as telephone, signal circuits, telegraph wires, etc. The lower raceway is designed to carry high tension wires for all lighting or power appliance requirements. The wires are laid in the raceways directly and do not have to be installed in conduits. The cover is easily removable when needed and is in no sense a loose cover.

Junction boxes of types depending on local requirements are provided so that the circuits may be conveniently brought to the raceways. Cast iron corner fittings for the raceways are provided

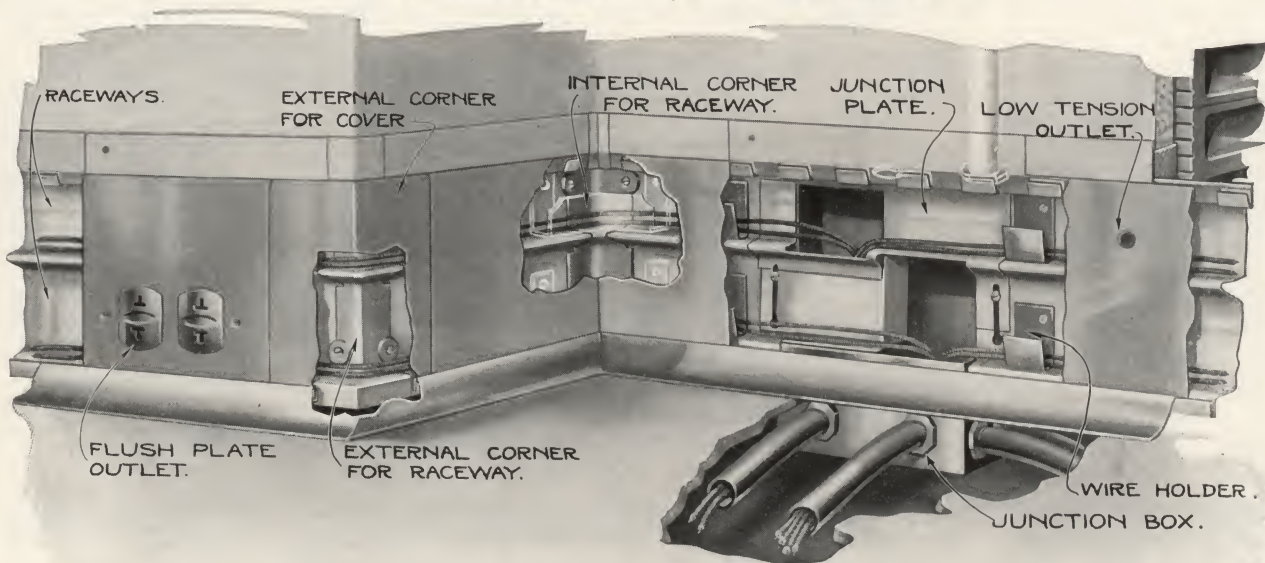
to eliminate the necessity for mitering at corners. Flush plates prepared for convenience outlets are provided so that they may be inserted at any point in the base for present or future outlets. The low tension outlets may be obtained by drilling a hole anywhere in the cover plate in front of the upper raceway.

A floor member is provided so as to complete the artistic effect of the base and give a sanitary finish at the floor line.

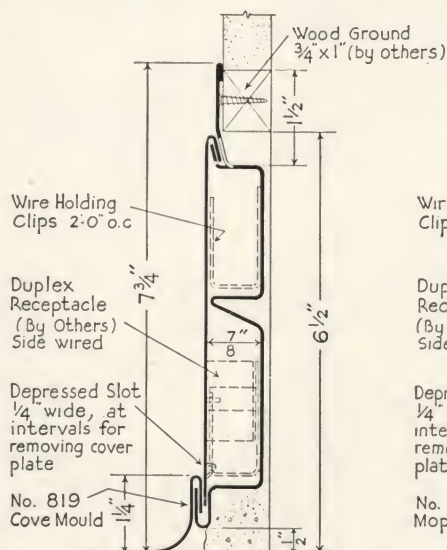
Wyr-Way is made with single, double and triple raceways to meet any and all wiring requirements.

Individual catalogs, describing No. 800, No. 900 and No. 1100 Wyr-Way Base with complete details of junction boxes and corner fittings, will be sent on request.

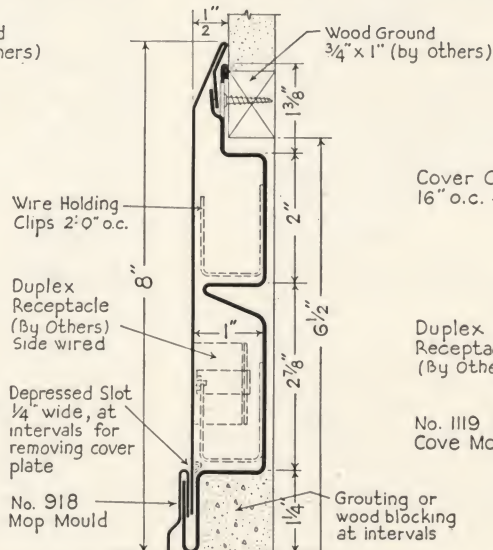
(All Wyr-Way Inspected and Labeled by Underwriters' Laboratories, Inc.)



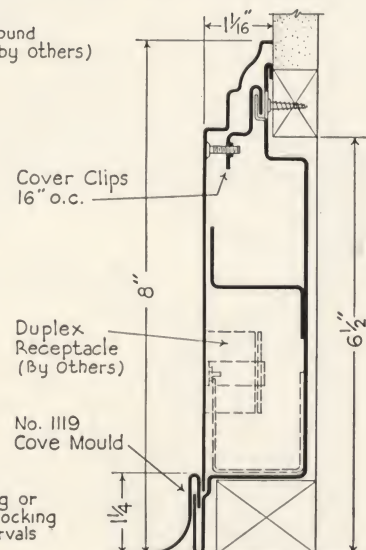
Wyr-Way Base Type No. 800



TYPE No. 800
WYR-WAY BASE



TYPE No. 900
WYR-WAY BASE

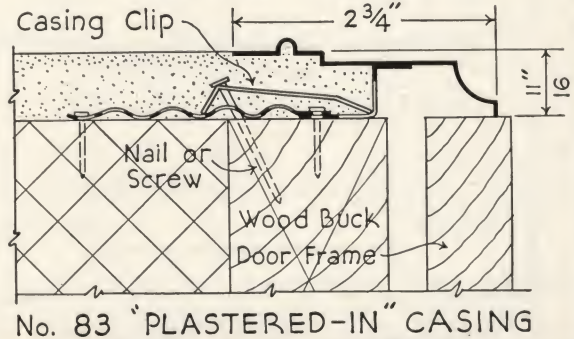
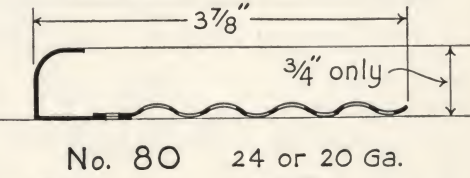
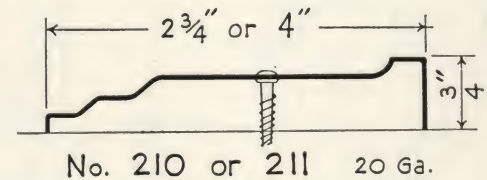
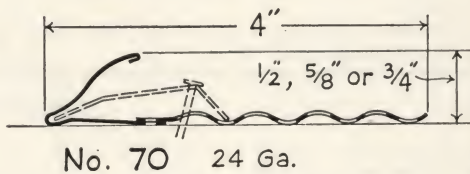
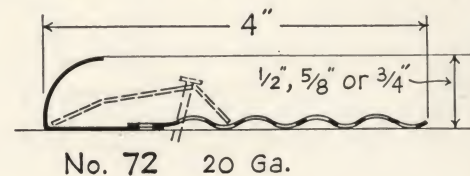
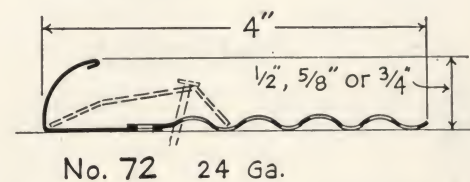
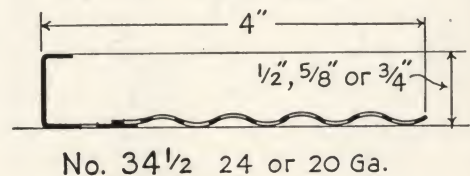
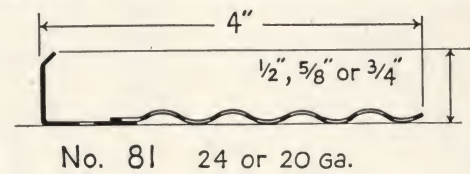
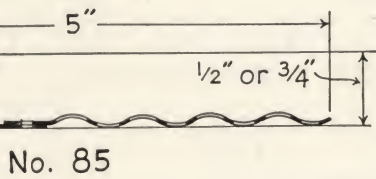
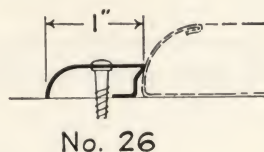
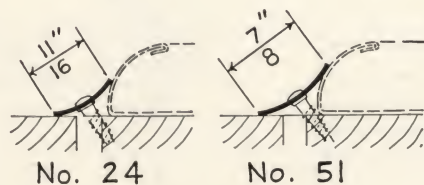
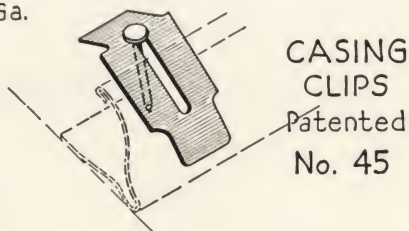
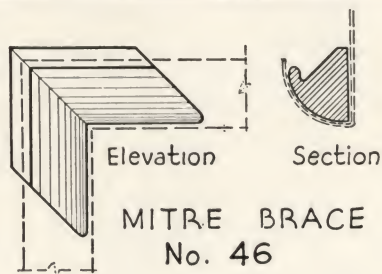
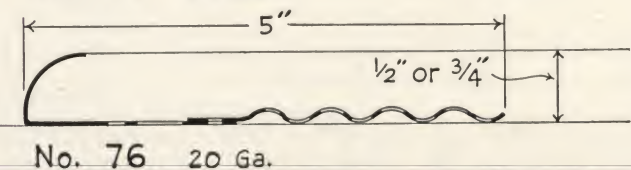
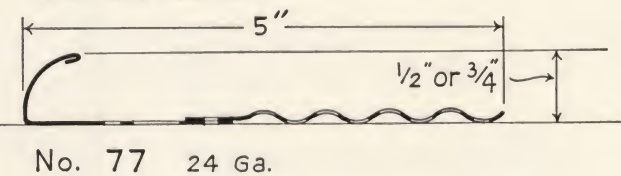
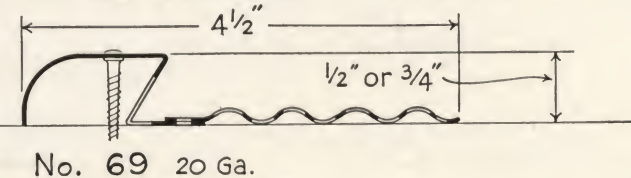
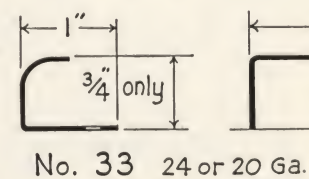
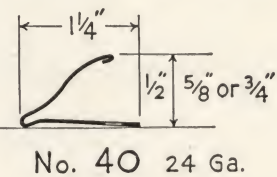
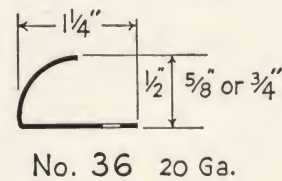
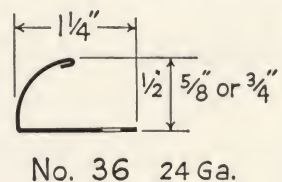
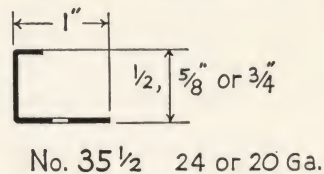
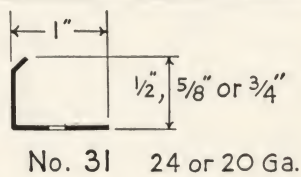


TYPE No. 1100
WYR-WAY BASE

FULL SIZE DETAILS FURNISHED ON REQUEST

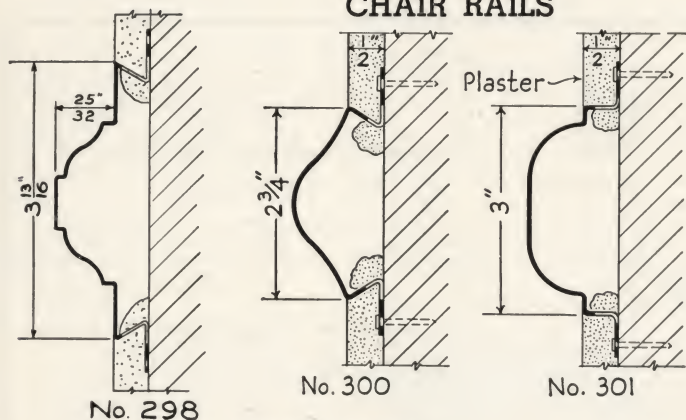
METAL DOOR AND WINDOW CASINGS $\frac{9}{16}$

FULL SIZE DETAILS FURNISHED ON REQUEST

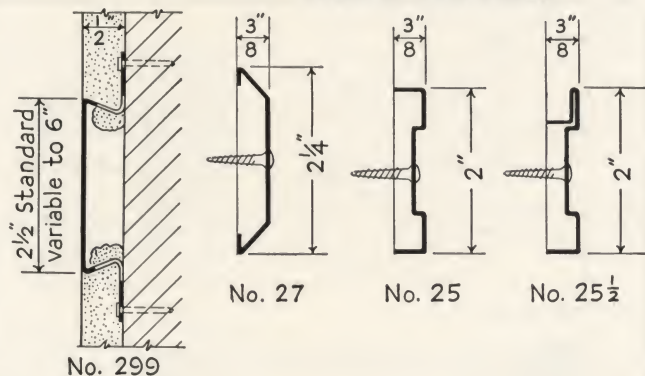


9/6 MISCELLANEOUS METAL TRIM

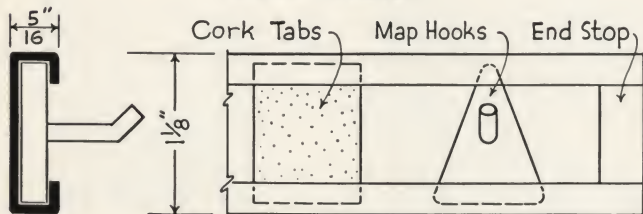
CHAIR RAILS



DADO MOULDS



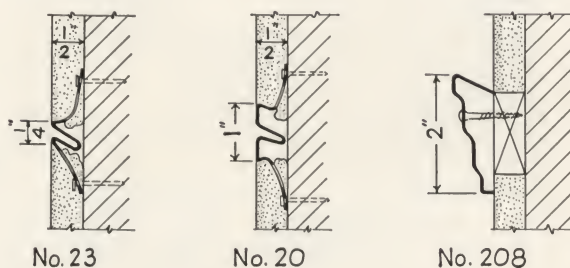
MAP RAILS



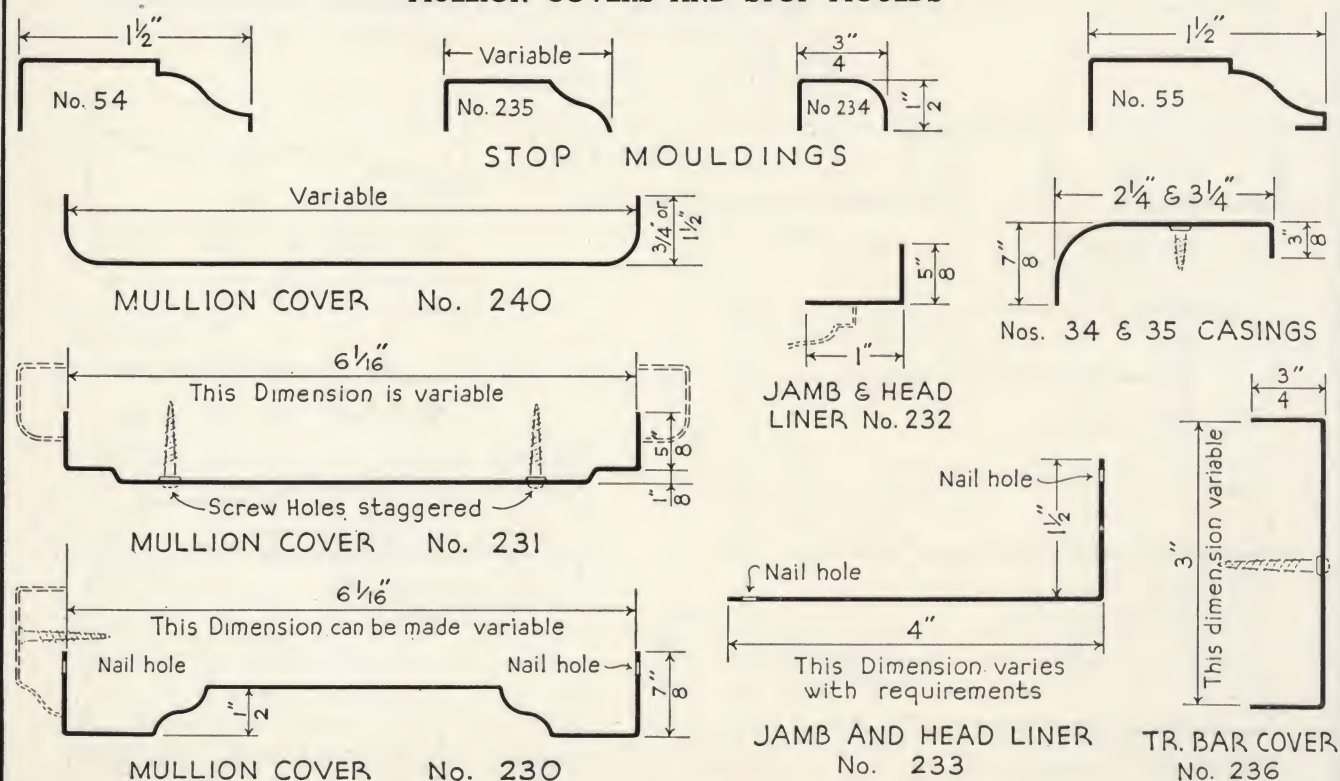
Knapp No. 19 is furnished with the following standard equipment; one hook for each two lin. ft. rail; two linoleum tabs for each lin. ft. of rail; and 2 end stops for each stock length of rail. Stock lengths, 6 ft., 8 ft. and 10 ft. Hooks are adjustable and removable.

This rail will fit Knapp blackboard trim and may also be used with wood or other trim items.

PICTURE MOULDS



MULLION COVERS AND STOP MOULDS



FULL SIZE DETAILS FURNISHED ON REQUEST

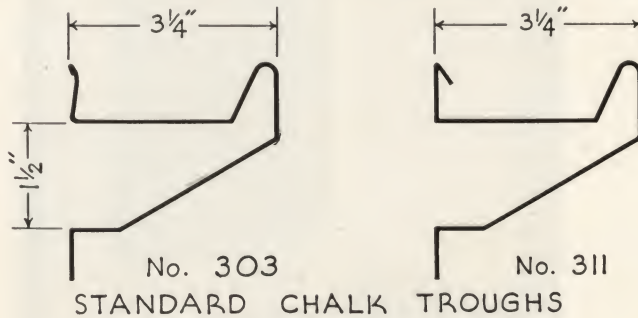
BLACKBOARD TRIM AND CHALK TROUGHS $\frac{9}{6}$

Applied Type

The "applied" types of chalk troughs and trim are erected after the plastering is completed. They are attached to wood grounds with oval head countersunk screws. The typical Detail of Construction illustrates a standard installation of this type of finish.

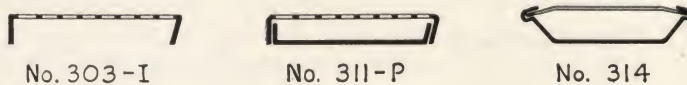
Chalk Troughs

Knapp standard troughs are made from 22 gauge tight coat galvanized steel; they are No. 303 and No. 311. The number 311 has the top flange turned out to provide a dust deflector; No. 303 is a little lower priced. Stock lengths are 6' 0", 8' 0" and 10' 0". End stops are available.



Inserts and Dust Pans

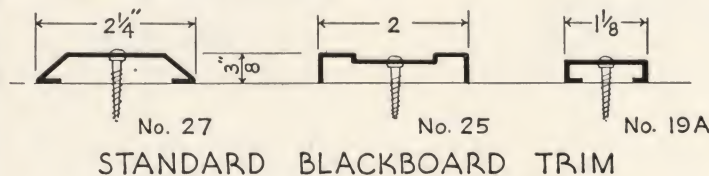
Chalk troughs may be used without either insert or dust pans. We have available our No. 303-I perforated metal insert which will fit either the No. 303 or the No. 311 trough; our No. 311-P dust pan, which has a flat perforated cover or our No. 314 dust pan, which has a slotted removable cover. Stock lengths of inserts and pans are 3' 0", 4' 0" and 5' 0".



Blackboard Trim

Nos. 25 and 27 are available in 10' 0" stock length. These sections may be used with our standard chalk trough. We have a complete line of cast iron flush corner fittings consisting of 90° corners, tees and crosses. Knapp map rail may be used with either of these sections.

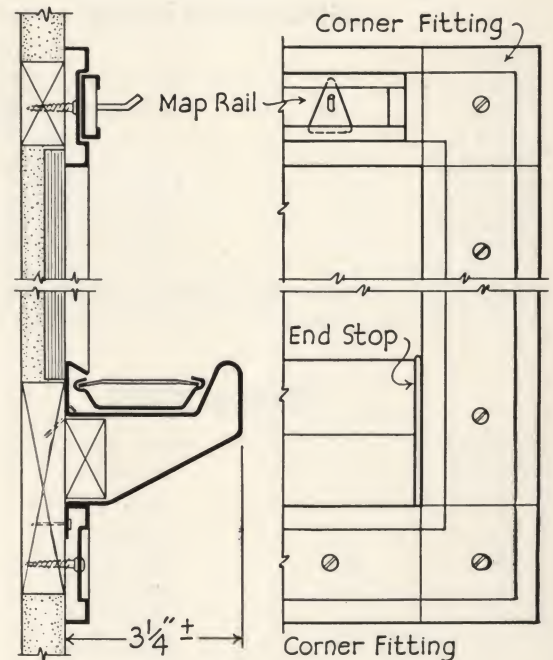
No. 19-A provides a simple effective finish where heavier trim members are not desired. This number must be mitred at the job as no fittings are available. It is desirable to specify a metal ground for this item as its narrow face will not permit the use of an effective wood ground. This trim harmonizes nicely with Knapp map rail.



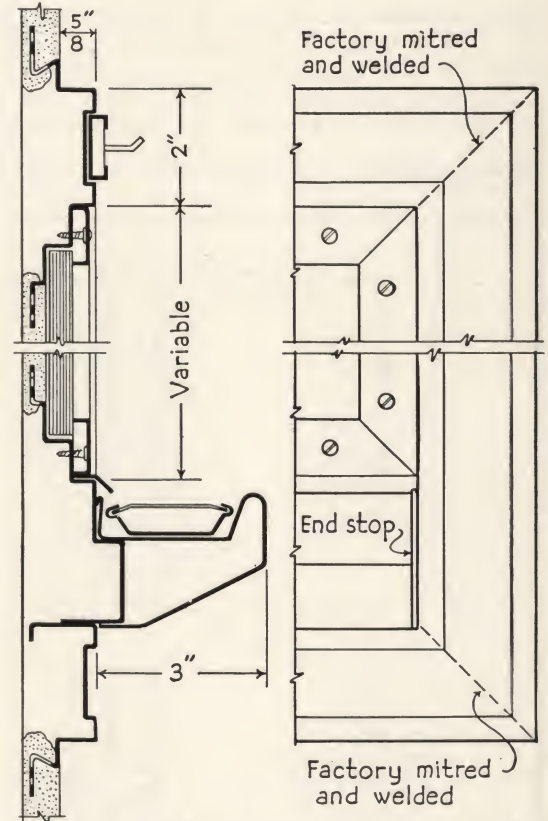
"Plastered-In" Type

The Knapp No. 313 "plastered-in" and self-grounding unit is erected before the plastering is started. It is factory assembled to predetermined sizes. Corners are mitred and welded and ground smooth. The chalk trough and stop mouldings are cut to length or mitred, punched and countersunk and shipped separate to be applied after the plastering and blackboard installations have been completed.

This design assures a straight true installation; it provides screed lines for the plasterers' work and a positive seat and support for the slate blackboard.



TYPICAL CONSTRUCTION DETAIL
"APPLIED" BLACKBOARD TRIM



TYPICAL CONSTRUCTION DETAIL
"PLASTERED-IN" No. 313
BLACKBOARD TRIM

$\frac{2}{6}$ KNAPP FLUSH ACCESS DOORS

SPECIFICATIONS

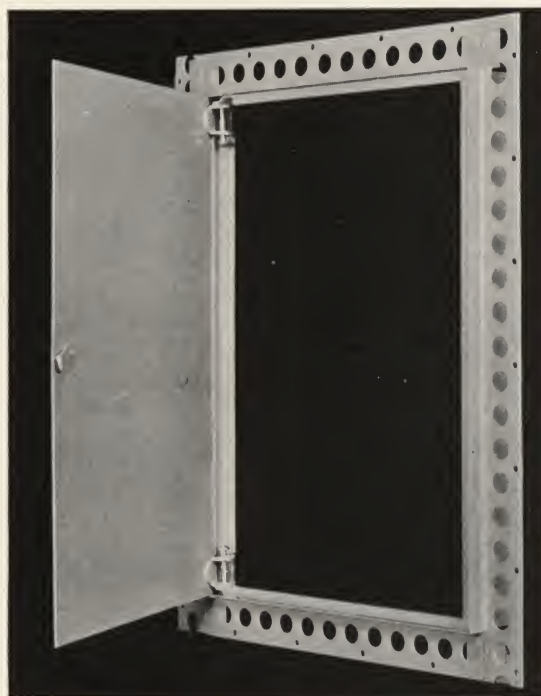
| | |
|---------------|----------------------------|
| Frame..... | 18 ga. Steel |
| Door..... | 14 ga. Steel |
| Flange..... | Perforated for Plaster Key |
| Latch..... | Brass, Cam Type |
| Operator..... | Flush, Slotted Type |
| Anchors..... | Adjustable, 4 per Frame |
| Hinges..... | Brass Pin, Captive Type |
| Finish..... | Special Gray Prime Coat |

(If desired, a 3-in. wide Perforated and Crimped Plaster Reinforcing Strip can be spot welded to frame.)

STOCK SIZES

| Catalog Number | Door Opening Size | Rough Opening Size |
|----------------|-------------------|--------------------|
| 1..... | 7½x11½ | 8x12 |
| 2..... | 12½x16½ | 13x17 |
| 3..... | 14½x18½ | 15x19 |
| 4..... | 14½x24½ | 15x25 |
| 5..... | 18½x24½ | 19x25 |
| 6..... | 18½x30½ | 19x31 |

Special sizes furnished on order.



GROUND AND SCREEDS

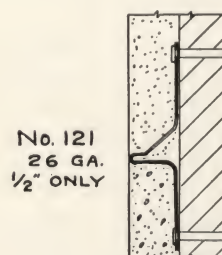
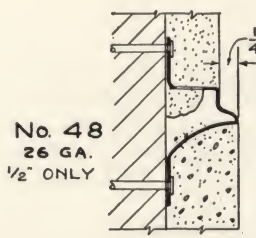
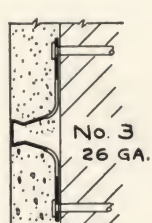
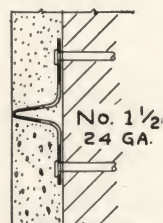
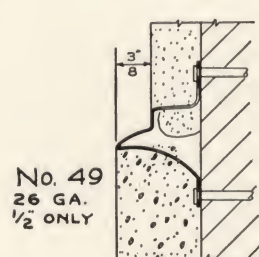
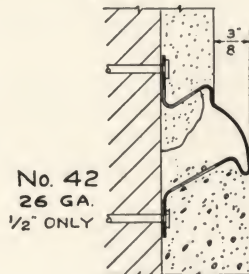
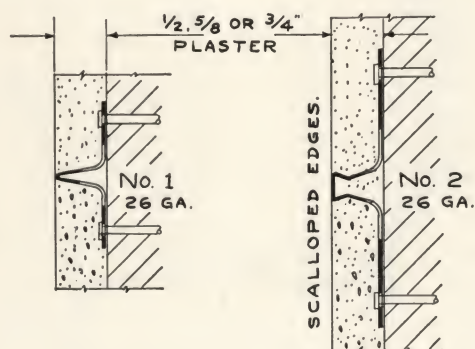
Base Screeds—No. 49 has about ⅜ in. exposed metal; No. 42 has about ⅞ in. exposed metal. Both screeds have ⅜ in. projection from face of plaster.

Complete line of cast iron corners and end stops are available for both No. 42 and No. 49.

Base Grounds—All base grounds are available in ½

in., ⅝ in. and ¾ in. depth. No. 1 is standard base ground and separator; No. 2 is wide nose, scalloped wing; and No. 3 is wide nose, but without the scallops.

Corner Grounds—Nos. 4½—17—44 shown on opposite page provide a choice of square or radial grounds for internal corners.



FULL SIZE DETAILS FURNISHED ON REQUEST

CORNER BEADS

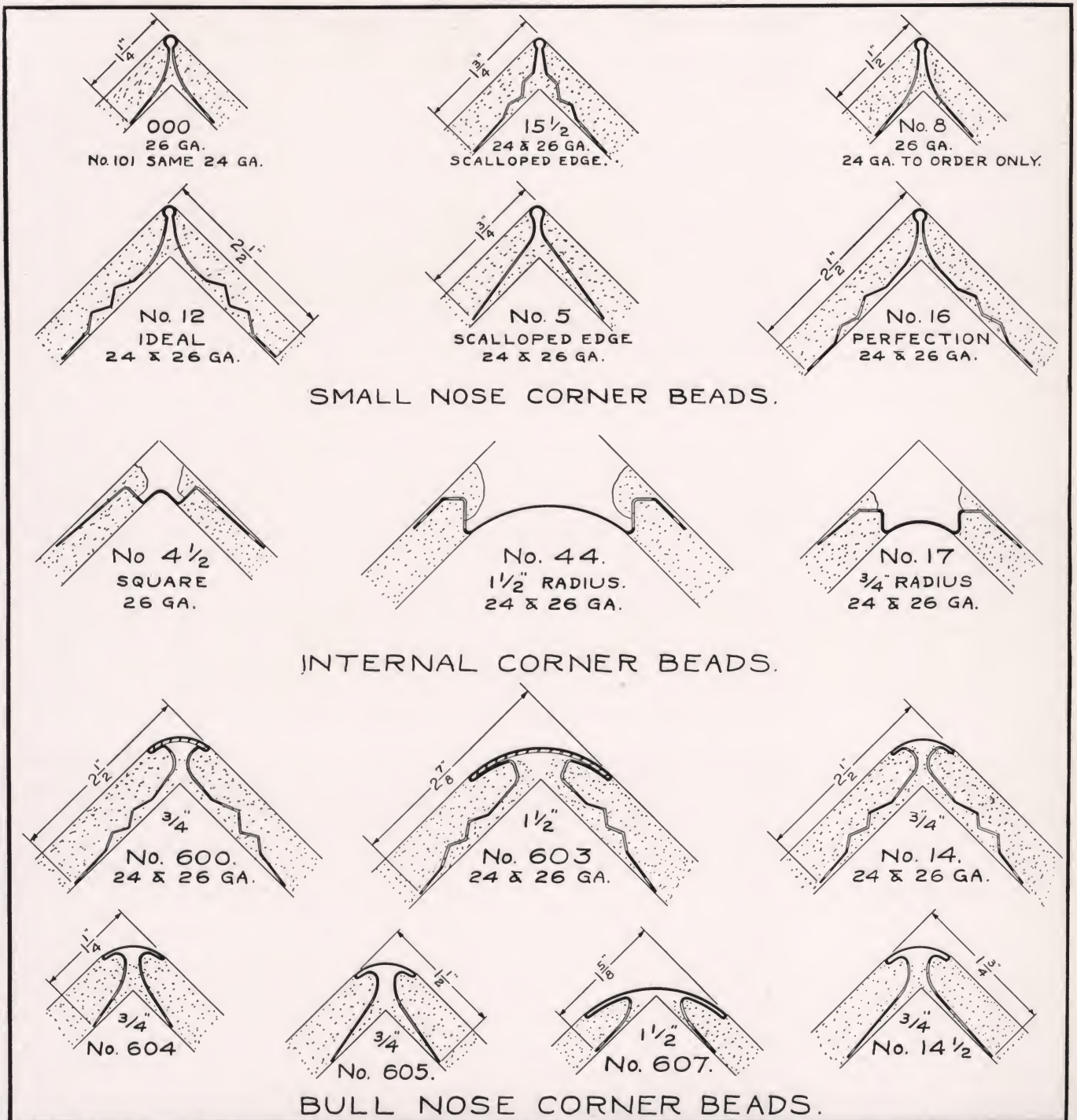
All beads manufactured in 24 and 26 gauge formed from tight coat galvanized steel sheets. Beads can also be made in brass, zinc and copper. All bull nose beads are available with reinforced nose.

Bull nose beads having 1 in. radius to match tile wainscot nosing are also available in a variety of designs.

FLANGE WIDTHS

| | | | | | |
|-------------------------|------|-------------------------|------|------------------------|---------|
| Small Nose000 | —1¼" | Small Nose 16 | —2½" | ¾" rad. Bull Nose... | 14½—1¾" |
| Small Nose 8 | —1½" | ¾" rad. Bull Nose...604 | —1¼" | ¾" rad. Bull Nose.... | 14—2½" |
| Small Nose ...5 and 15½ | —1¾" | ¾" rad. Bull Nose...605 | —1½" | 1½" rad. Bull Nose.... | 607—1⅝" |
| Small Nose 12 | —2½" | | | 1½" rad. Bull Nose.... | 603—2⅞" |

All Small Nose and all Bull Nose corner beads are available in the following standard stock lengths: 6, 7, 8, 9, 10 and 12 ft.



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